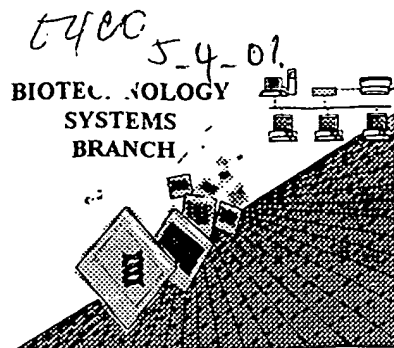


75

RAW SEQUENCE LISTING
ERROR REPORT



0500
0280

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/802,755
Source: O/PE
Date Processed by STIC: 3/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

BEST AVAILABLE COPY

OIPE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/802,755

DATE: 03/27/2001
 TIME: 09:37:39

Input Set : A:\es.txt
 Output Set: N:\CRF3\03272001\I802755.raw

Does Not Comply
 Corrected Diskette Needed

1 <110> APPLICANT: Darst, Seth Campbell,
 W--> 2 <120> TITLE OF INVENTION:
 W--> 3 <130> FILE REFERENCE: 2555-1-001<140>
 W--> 4 <140> CURRENT APPLICATION NUMBER: US/09/802,755
 C--> 4 <141> CURRENT FILING DATE: 2001-03-09

ERRORED SEQUENCES

5 <212> TYPE: PRT<213> Thermus aquaticus<220><221> X<222> (1247)..(1247)<223>
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 W--> 8 <213> ORGANISM:
 E--> 8 <400> SEQUENCE: 1

10	Met	Lys	Lys	Glu	Val	Arg	Lys	Val	Arg	Ile	Ala	Leu	Ala	Ser	Pro	Glu
11	1			5						10				15		
13	Lys	Ile	Arg	Ser	Trp	Ser	Tyr	Gly	Glu	Val	Glu	Lys	Pro	Glu	Thr	Ile
14				20				25					30			
16	Asn	Tyr	Arg	Thr	Leu	Lys	Pro	Glu	Arg	Asp	Gly	Leu	Phe	Asp	Glu	Arg
17				35				40					45			
19	Ile	Phe	Gly	Pro	Ile	Lys	Asp	Tyr	Glu	Cys	Ala	Cys	Gly	Lys	Tyr	Lys
20		50				55						60				
22	Arg	Gln	Arg	Phe	Glu	Gly	Lys	Val	Cys	Glu	Arg	Cys	Gly	Val	Glu	Val
23	65				70				75					80		
25	Thr	Arg	Ser	Ile	Val	Arg	Arg	Tyr	Arg	Met	Gly	His	Ile	Glu	Leu	Ala
26				85					90					95		
28	Thr	Pro	Ala	Ala	His	Ile	Trp	Phe	Val	Lys	Asp	Val	Pro	Ser	Lys	Ile
29				100					105					110		
31	Gly	Thr	Leu	Leu	Asp	Leu	Phe	Ala	Thr	Glu	Leu	Glu	Gln	Val	Leu	Tyr
32				115				120					125			
34	Phe	Asn	Lys	Tyr	Ile	Val	Leu	Asp	Pro	Lys	Gly	Ala	Val	Leu	Asp	Gly
35		130				135						140				
37	Val	Pro	Val	Glu	Lys	Arg	Gln	Leu	Leu	Thr	Asp	Glu	Glu	Tyr	Arg	Glu
38	145				150					155				160		
40	Leu	Arg	Tyr	Gly	Lys	Gln	Glu	Thr	Tyr	Pro	Leu	Pro	Ala	Gly	Val	Asp
41				165						170				175		
43	Ala	Leu	Val	Lys	Asp	Gly	Glu	Glu	Val	Lys	Gly	Gln	Glu	Leu	Ala	
44				180				185					190			
46	Pro	Gly	Val	Val	Ser	Arg	Met	Asp	Gly	Val	Gly	Ser	Leu	Pro	Leu	Pro
47				195				200				205				
49	Arg	Arg	Val	Arg	Val	Asp	Tyr	Leu	Arg	Lys	Glu	Arg	Ala	Ala	Leu	Arg
50		210				215						220				
52	Ile	Pro	Leu	Ser	Ala	Trp	Val	Glu	Lys	Glu	Pro	Tyr	Arg	Pro	Gly	Glu
53	225				230					235				240		
55	Val	Leu	Ala	Glu	Leu	Ser	Glu	Pro	Tyr	Leu	Phe	Arg	Ala	Glu	Glu	Ser
56				245						250				255		

*see next
 page for
 explanation*

09/802,785

insert hard return after
each
response

~~SEQUENCE LISTING~~<110> Darst, Seth ↓ Campbell, ↓
Elizabeth ↓ Korzheva, Nataliya ↓ Mustaev, Arkady ↓ Goldfarb, Alex<120>
CRYSTAL OF BACTERIA CORE RNA POLYMERASE WITH RIFAMPICIN<130> 2555-1-001<140>
UNASSIGNED<141> 2001-03-09<160> 4 ↑ <170> PatentIn version 3.0<210> ↑ 1<211>
1525<212> ↑ PRT<213> Thermus aquaticus<220>↑<221> X<222> (1247)..(1247)↑<223>
Any amino acid can be placed at this position.

<400> 1

major format error - please contact
Robert Wax at 703-306-4119 for assistance

also, see cover sheet.

FYI

Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.